

We Claim:

1. A cleaning composition, comprising:

one or more member selected from the group consisting of tetradecyltrimethylammonium bromide, myristyltrimethylammonium bromide, tetrasodium ethylenediaminetetraacetic acid, benzethonium chloride, benzethonium hydrochloride, PEG-6 lauramide, stearylalkonium chloride, cocoamidopropylamine oxide, cetrimonium chloride, dodecyltrimethylammonium chloride, tetradecyltrimethylammonium bromide, tetradecyltrimethylammonium chloride, hexadecyltrimethylammonium bromide, hexadecyltrimethylammonium chloride, octadecyltrimethylammonium bromide, octadecyltrimethylammonium chloride, cetyltrimethylammonium bromide, cetyltrimethylammonium chloride, cetylbenzyltrimethylammonium chloride, cetyltriethylammonium bromide, cetamine oxide, lauramine oxide, dipalmitoylethyl hydroxyethylmmonium methanesulfate, alkylalkonium chloride, lauramine oxide, myristamine oxide, stearamine oxide, cocamidopropyl betaine, cetyl dimethyl betaine, hydrogenated cocamidopropyl betaine, laurylamidopropyl betaine, polyglyceryl-10 decaoleate propylene, propylene glycol/dicaprylate/dicaprate, caprylic/capric triglyceride, lauramide DEA, cocamide DEA, cocamide MEA, lauramide MEA, cocamide MIPA, coco diethanolamine, butoxy ethyl stearate, distearyl phthalic acid amide, di-hydrogenated tallow phthalic acid, sodium stearyl phthalamate, butyl glycol and mixtures thereof, a chelator and a dispersant, dissolved in water.

2. The composition of Claim 1, wherein said composition comprises at least one salt, a chelator and a dispersant.

3. The cleaning composition of Claim 1, wherein said chelator comprises edetate sodium.

4. The cleaning composition of Claim 3, wherein said edetate sodium is tetrasodium salt of ethylenediamine tetraacetic acid.
5. The cleaning composition of Claim 1, wherein said dispersant is polyvinyl alcohol.
6. The cleaning composition of Claim 1, comprising at least tetradecyltrimethylammonium bromide, benzethonium chloride, tetrasodium ethylenediaminetetraacetic acid, polyvinyl alcohol and 2-butoxyethanol dissolved in water.
7. The cleaning composition of Claim 1, further comprising at least one alcohol.
8. The cleaning composition of Claim 7, wherein said at least one alcohol is selected from the group consisting of ethanol and isopropyl alcohol.
9. The cleaning composition of Claim 1, comprising equal amounts of tetradecyltrimethylammonium bromide, tetrasodium ethylenediaminetetraacetic acid, and benzethonium hydrochloride, of between about 0.05% and about 1.00% by volume each, between about 0.02% and about 0.6% by volume of polyvinyl alcohol, and between about 0.8% and about 1.6% of 2-butoxyethanol dissolved in water.
10. The cleaning composition of Claim 9, further comprising between about 1.00% and about 2.5% by volume of ethanol and between about 1.5% and about 3.00% by volume of isopropyl alcohol.
11. A cleaning composition, comprising:

effective amounts of one or more members selected from the group consisting of tetradecyltrimethylammonium bromide, myristyltrimethylammonium bromide, tetrasodium ethylenediaminetetraacetic acid, benzethonium chloride, benzethonium hydrochloride, PEG-6 lauramide, stearylalkonium chloride, cocoamidopropylamine oxide, cetrimonium chloride, dodecyltrimethylammonium chloride, tetradecyltrimethylammonium bromide,

tetradecyltrimethylammonium chloride, hexadecyltrimethylammonium bromide, hexadecyltrimethylammonium chloride, octadecyltrimethylammonium bromide, octadecyltrimethylammonium chloride, cetyltrimethylammonium bromide, cetyltrimethylammonium chloride, cetylbenzyltrimethylammonium chloride, cetyltriethylammonium bromide, cetamine oxide, lauramine oxide, dipalmitoylethyl hydroxyethylammonium methanesulfate, elkonium chloride, lauramine oxide, myristamine oxide, stearamine oxide, cocamidopropyl betaine, cetyl dimethyl betaine, hydrogenated cocamidopropyl betaine, laurylamidopropyl betaine, polyglyceryl-10 decaoleate, propylene, propylene glycol/dicaprylate/dicaprate, caprylic/capric triglyceride, lauramide DEA, cocamide DEA, cocamide MEA, lauramide MEA, cocamide MIPA, coco diethanolamine, butoxy ethyl stearate, distearyl phthalic acid amide, di-hydrogenated tallow phthalic acid, sodium stearyl phthalate, butyl glycol and mixtures thereof, edetate sodium, polyvinyl alcohol, ethanol, isopropyl alcohol dissolved in water.

12. The cleaning composition of Claim 12, comprising equal amounts of tetradecyltrimethylammonium bromide, tetrasodium ethylenediaminetetraacetic acid, and benzethonium chloride, of between about 0.05% and about 1.00% by volume each, between about 0.02% and about 0.6% by volume of polyvinyl alcohol, between about 0.8% and about 1.6% of 2-butoxyethanol, between about 1.00% and about 2.5% by volume of ethanol and between about 1.5% and about 3.00% by volume of isopropyl alcohol dissolved in water.

13. A method of preparing a cleaning composition comprising: a. bringing a pre-determined quantity of water to boiling, b. admixing and dissolving in boiling water a pre-determined quantity of a dispersant; c. providing a pre-determined quantity of one or more cleaning member selected from the group consisting of tetradecyltrimethylammonium bromide,

myristyltrimethylammonium bromide, tetrasodium ethylenediaminetetraacetic acid, benzethonium chloride, benzethonium hydrochloride, PEG-6 lauramide, stearylalkonium chloride, cocoamidopropylamine oxide, cetrimonium chloride, dodecyltrimethylammonium chloride, tetradecyltrimethylammonium bromide, tetradecyltrimethylammonium chloride, hexadecyltrimethylammonium bromide, hexadecyltrimethylammonium chloride, octadecyltrimethylammonium bromide, octadecyltrimethylammonium chloride, cetyltrimethylammonium bromide, cetyltrimethylammonium chloride, cetylbenzyltrimethylammonium chloride, cetyltriethylammonium bromide, cetamine oxide, lauramine oxide, dipalmitoylethyl hydroxyethylammonium methanesulfate, elalkonium chloride, lauramine oxide, myristamine oxide, stearamine oxide, cocamidopropyl betaine, cetyl dimethyl betaine, hydrogenated cocamidopropyl betaine, laurylamidopropyl betaine, polyglyceryl-10 decaoleate, propylene, propylene glycol/dicaprylate/dicaprate, caprylic/capric triglyceride, lauramide DEA, cocamide DEA, cocamide MEA, lauramide MEA, cocamide MIPA, coco diethanolamine, butoxy ethyl stearate, distearyl phthalic acid amide, di-hydrogenated tallow phthalic acid, sodium stearyl phthalamate, butyl glycol, d. admixing the aqueous dispersant mixture into a quantity of water sufficient to constitute 100% by volume after said one or more cleaning member is added; and e. dissolving the pre-determined quantity of said one or more cleaning member in the aqueous solution of the dispersant.

14. The method of Claim 13, further comprising a step of adding a pre-determined amount of chelator to the step of dissolving said one or more cleaning member.

15. The method of Claim 14, wherein said chelator is edetate sodium.

16. The method of Claim 13, further comprising the step of providing a pre-determined quantity of one or more alcohol selected from the group consisting of ethanol and isopropyl alcohol.
17. The method of Claim 16, wherein said step of further comprising the step of admixing the aqueous dispersant mixture into a quantity of water sufficient to constitute 100% by volume after said one or more cleaning member is added, further comprises a step of admixing the aqueous dispersant mixture into the quantity of water sufficient to constitute 100% by volume after said one or more alcohol is added.
18. The method of Claim 13, wherein said dispersant is polyvinyl alcohol.
19. The method of Claim 13, wherein said predetermined quantity of water brought to boiling comprises about 2% by volume of the cleaning composition.
20. The method of Claim 13, wherein the content of the cleaning member is between about 0.05% and about 1% by volume.
21. A composition comprising a cleaning substance obtained by the method of Claim 13.
22. A composition obtained by the method of Claim 13, wherein said one or more cleaning member comprises a mixture of tetradecyltrimethylammonium bromide, tetrasodium ethylenediaminetetraacetic acid, benzethonium hydrochloride and 2-butoxyethanol.
23. A composition comprising a cleaning substance obtained by the method of Claim 16.
24. The composition of Claim 23, wherein said alcohol is selected from the group consisting of ethanol and polyvinyl alcohol.